Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Topic: Transpiration Score: \_\_\_\_\_\_\_\_\_\_/20 pts

**AP Biology Lab Report Rubric (modified)**

**Reports must be typed AND printed.**

*Due at the beginning class on due date. Each day late = minus one letter grade*

**Introduction \_\_\_\_\_\_/ 3 pts**

* Accurate background information which helps reader understand key points of lab
* Purpose of the investigation; how the investigation answers a specific question; curricular context

**Materials \_\_\_\_\_\_\_/ 1 pt**

* Make a list of ALL materials used in this experiment *(for example include spoon if you used it to scoop the potato much);* Be sure to include quantities

**Procedures \_\_\_\_\_\_\_/ 2 pts**

* Write a list of instructions that explains what you did in your lab. Written so that anyone reading your lab report will be able to duplicate (copy) the experiment

**Results/Data \_\_\_\_\_\_\_/ 5 pts**

* Includes data table for each tested variable. Make sure labelled/titled accurately
  + Calculate % change
    - (Change in mass divided by initial mass) multiplied by 100 = % change
* Includes a graph of the data which is labeled appropriately (title, labeled x and y axis, data, etc.)
* Include picture(s) of the investigation

**Analysis and Discussion \_\_\_\_\_\_\_\_\_\_/6 pts**

* Interpret the data. It should consider the relationship between the results obtained and what you think “should have” occurred. For example, if there was an increase in mass, why was this? Did the plant gain water? Did it gain something else?. Include a summary of the data (ex. highest, lowest, etc.) to help the reader understand your results. \_\_\_ / 3 pts.
* What is a possible error that may have occurred during the experiment? Explain how the error could have affected the data. Include adjustments/improvements for future experiments. \_\_\_/ 2 pts.
* What is one thing you learned from the lab and relate it to a larger concept idea in biology or real life example. \_\_\_ /1pt.

**Questions \_\_\_\_\_/ 1 pt**

* What are questions for further investigation? What new questions arise from the results of the investigation?

**Literature Cited \_\_\_\_\_/ 1 pt**

* Valid sources cited within report and listed at end of report

**Correct use of language and consistent formatting \_\_\_\_\_/ 1 pt**

* Grammar, punctuation (including subscripts/superscripts) and spelling all correct
* Formatting, headings, font etc. consistent throughout report